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Sequence Listing could not be accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2010; month=2; day=10; hr=18; min=0; sec=56; ms=862;]

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Reviewer Comments:

<210> 6

<211> 1310

<212> PRT

<213> Varicella zoster

<220>

<221> misc_feature

<222> (99)..(99)

<223> The 'Xaa' at location 99 stands for Thr, or Met.

<220>

<221> misc_feature

<222> (512)..(512)

<223> The 'Xaa' at location 512 stands for Ala, or Val.

<220>

<221> misc_feature

<222> (1275)..(1275)

<223> The 'Xaa' at location 1275 stands for Ser, Leu, or Xaa.

The above <223> response describing the "Xaa" at location 1275 contains an error: "Xaa" cannot represent an "Xaa". "The 'Xaa' at location 1275 stands for Ser or Leu" would be correct.

Application No: 10591787 Version No: 3.0

Input Set:

Output Set:

Started: 2010-01-28 17:10:23.171
Finished: 2010-01-28 17:10:35.201
Elapsed: 0 hr(s) 0 min(s) 12 sec(s) 30 ms
Total Warnings: 5
Total Errors: 0
No. of SeqIDs Defined: 91
Actual SeqID Count: 91

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)

SEQUENCE LISTING

<110> Nagaike, Kazuhiro
Mori, Yasuko
Gomi, Yasuyuki
Takahashi, Michiaki
Kouichi, Yamanishi

<120> Recombinant varicella-zoster virus

<130> 59150-8037

<140> 10591787

<141> 2010-01-28

<150> PCT/JP2005/003652

<151> 2005-03-05

<150> JP 2004-063277

<151> 2004-03-05

<160> 91

<170> PatentIn version 3.2

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<222> (1275)..(1275)
<223> The 'Xaa' at location 1275 stands for Ser, or Leu.

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acacgtttta agtactgttg gaactccctc accaaccgca aycgcaatcc tttgaaggct 180

gcgagagcgt ttggaaaact cgggtacgtc taaattcacc ccagygcc atg gat acg 237
Met Asp Thr
1

ccg ccg atg cag cgc tct aca ccc caa cgc gcg ggg tcg cct gat act 285
Pro Pro Met Gln Arg Ser Thr Pro Gln Arg Ala Gly Ser Pro Asp Thr

ttg gag tta atg gac ctg ttg gac gcg gcc gcc gaa cac Leu Glu Leu Met Asp Leu Leu Asp Ala Ala Ala Ala Ala Ala Glu His 20	25	30	35	333
agg gcc cggtgtcaccatcgatcgatcgttttttggaa Arg Ala Arg Val Val Thr Ser Ser Gln Pro Asp Asp Leu Leu Phe Gly 40	45	50		381
gag aac ggg gtc atg gtggaa cat gag atc gtt tca att ccc Glu Asn Gly Val Met Val Gly Arg Glu His Glu Ile Val Ser Ile Pro 55	60	65		429
tcc gta tcg gga ctt caa cca gaa ccc aga acg gaa gat gtt ggc gaa Ser Val Ser Gly Leu Gln Pro Glu Pro Arg Thr Glu Asp Val Gly Glu 70	75	80		477
gag cta aca caa gac gac tac gta tcg gag gac ggt cag gat cta ayg Glu Leu Thr Gln Asp Asp Tyr Val Cys Glu Asp Gly Gln Asp Leu Xaa 85	90	95		525
ggc tcg cct gta atc ccg ctg gcc gag gtc ttc cac acc cga ttc tcg Gly Ser Pro Val Ile Pro Leu Ala Glu Val Phe His Thr Arg Phe Ser 100	105	110	115	573
gag gcc ggc gcg cga gaa cca aca gga gcc gat cgc tcc ctc gag aca Glu Ala Gly Ala Arg Glu Pro Thr Gly Ala Asp Arg Ser Leu Glu Thr 120	125	130		621
gtc tct ctc gga acg aag ctt gct agg tct cca aaa cca ccg atg aac Val Ser Leu Gly Thr Lys Leu Ala Arg Ser Pro Lys Pro Pro Met Asn 135	140	145		669
gat ggg gaa acg ggc aga ggt acg acc cct ccg ttc ccg cag gcc ttc Asp Gly Glu Thr Gly Arg Gly Thr Thr Pro Pro Phe Pro Gln Ala Phe 150	155	160		717
tcc cct gta tcc ccc gcg tct cct gtt gga gac gcc gcc ggg aac gat Ser Pro Val Ser Pro Ala Ser Pro Val Gly Asp Ala Ala Gly Asn Asp 165	170	175		765
caa cgg gaa gac cag cgg tct ata ccc cga caa acg acg aga gga aat Gln Arg Glu Asp Gln Arg Ser Ile Pro Arg Gln Thr Thr Arg Gly Asn 180	185	190	195	813
tca cca ggt ttg ccgtgtc cat cga gac aga caa act cag tcc Ser Pro Gly Leu Pro Ser Val Val His Arg Asp Arg Gln Thr Gln Ser 200	205	210		861
atc tcg ggt aaa aag ccg ggc gat gag caa gcg ggt cat gcg cat gca Ile Ser Gly Lys Lys Pro Gly Asp Glu Gln Ala Gly His Ala His Ala 215	220	225		909
tcg ggg gac gga gta gtt ctc cag aaa act caa cgg ccc gct cag gga Ser Gly Asp Gly Val Val Leu Gln Lys Thr Gln Arg Pro Ala Gln Gly 230	235	240		957

aag	agc	ccg	aag	aaa	aag	act	ttg	aag	gtt	aag	gtc	cca	ctc	ccg	gct	1005
Lys	Ser	Pro	Lys	Lys	Thr	Leu	Lys	Val	Lys	Val	Pro	Leu	Pro	Ala		
245		250				255										
cg	aaa	ccc	ggt	gga	cct	gta	ccc	ggc	ccg	gtt	gag	caa	ttg	tac	cac	1053
Arg	Lys	Pro	Gly	Gly	Pro	Val	Pro	Gly	Pro	Val	Glu	Gln	Leu	Tyr	His	
260		265			270			275								
gtc	ctt	tcg	gac	agc	gtt	ccc	gct	aag	ggg	gca	aag	gct	gac	ctg	ccg	1101
Val	Leu	Ser	Asp	Ser	Val	Pro	Ala	Lys	Gly	Ala	Lys	Ala	Asp	Leu	Pro	
280			285			290										
ttt	gag	acc	gat	gat	acc	cg	cc	agg	aaa	cat	gat	gcc	cg	ggt	ata	1149
Phe	Glu	Thr	Asp	Asp	Thr	Arg	Pro	Arg	Lys	His	Asp	Ala	Arg	Gly	Ile	
295			300			305										
aca	cct	cgc	gtc	cct	gga	cgt	tcg	tcg	ggg	ggc	aaa	cct	aga	gct	ttt	1197
Thr	Pro	Arg	Val	Pro	Gly	Arg	Ser	Ser	Gly	Gly	Lys	Pro	Arg	Ala	Phe	
310		315			320											
ttg	gcc	ctg	ccg	gga	aga	tcc	cac	gca	cca	gac	ccg	att	gag	gat	gac	1245
Leu	Ala	Leu	Pro	Gly	Arg	Ser	His	Ala	Pro	Asp	Pro	Ile	Glu	Asp	Asp	
325		330			335											
agc	ccg	gtg	gag	aaa	aag	cca	aag	agt	cgt	ttt	gtt	tcg	tct	tca	1293	
Ser	Pro	Val	Glu	Lys	Lys	Pro	Lys	Ser	Arg	Glu	Phe	Val	Ser	Ser	Ser	
340		345			350			355								
tcc	tct	tcc	tcg	tcg	tgg	gga	tgc	tca	tcg	gag	gat	gaa	gac	gat	gaa	1341
Ser	Ser	Ser	Ser	Ser	Trp	Gly	Ser	Ser	Ser	Glu	Asp	Glu	Asp	Asp	Glu	
360			365			370										
ccc	ccg	cgc	gtt	tcg	gtg	gga	agt	gaa	act	aca	ggc	agc	agg	tcc	gga	1389
Pro	Arg	Arg	Val	Ser	Val	Gly	Ser	Glu	Thr	Thr	Gly	Ser	Arg	Ser	Gly	
375			380			385										
cgc	gaa	cac	gcc	cct	tcc	ccg	tca	aat	tcg	gat	gat	tcg	gac	tca	aat	1437
Arg	Glu	His	Ala	Pro	Ser	Pro	Ser	Asn	Ser	Asp	Asp	Ser	Asp	Ser	Asn	
390		395			400											
gat	ggt	ggg	tcg	acg	aaa	caa	aat	atc	caa	ccg	gga	tat	cga	tcc	atc	1485
Asp	Gly	Gly	Ser	Thr	Lys	Gln	Asn	Ile	Gln	Pro	Gly	Tyr	Arg	Ser	Ile	
405			410			415										
agc	ggt	ccc	gat	ccg	agg	att	cgt	aag	acc	aaa	cgt	ctt	gct	ggg	gaa	1533
Ser	Gly	Pro	Asp	Pro	Arg	Ile	Arg	Lys	Thr	Lys	Arg	Leu	Ala	Gly	Glu	
420		425			430			435								
ccg	ggg	cgc	cag	aga	cag	aaa	tca	ttt	tcc	ctg	ccg	cga	tcc	aga	acc	1581
Pro	Gly	Arg	Gln	Arg	Gln	Lys	Ser	Phe	Ser	Leu	Pro	Arg	Ser	Arg	Thr	
440			445			450										
ccg	ata	att	ccc	ccg	gtg	tcg	ggg	ccg	ctc	atg	atg	ccc	gac	gga	agc	1629
Pro	Ile	Ile	Pro	Pro	Val	Ser	Gly	Pro	Leu	Met	Met	Pro	Asp	Gly	Ser	
455			460			465										
cct	tgg	ccc	gga	tcg	gct	ccc	ctc	cca	tcc	aac	agg	gtg	cg	ttt	gga	1677

Pro Trp Pro Gly Ser Ala Pro Leu Pro Ser Asn Arg Val Arg Phe Gly			
470	475	480	
ccg tcc ggg gag acc aga gag ggt cac tgg gag gat gag gct gtc aga			1725
Pro Ser Gly Glu Thr Arg Glu Gly His Trp Glu Asp Glu Ala Val Arg			
485	490	495	
gcg gcg cgg gct cgt tac gag gcc tca act gaa ccc ggg cgg ctt tac			1773
Ala Ala Arg Ala Arg Tyr Glu Ala Ser Thr Glu Pro Xaa Pro Leu Tyr			
500	505	510	515
gtg ccg gag ttg gga gat ccg gct aga cag tac cgc gcg ctg att aac			1821
Val Pro Glu Leu Gly Asp Pro Ala Arg Gln Tyr Arg Ala Leu Ile Asn			
520	525	530	
ctg atc tac tgt cca gac aga gac cct ata gca tgg ctc cag aac ccc			1869
Leu Ile Tyr Cys Pro Asp Arg Asp Pro Ile Ala Trp Leu Gln Asn Pro			
535	540	545	
aag ctg acc ggt gtc aac tcg gcc ctg aac cag ttc tac caa aag ctg			1917
Lys Leu Thr Gly Val Asn Ser Ala Leu Asn Gln Phe Tyr Gln Lys Leu			
550	555	560	
ttg cca ccg gga cgg gcg ggt acc gcc gtt acg ggg agc gta gcg tct			1965
Leu Pro Pro Gly Arg Ala Gly Thr Ala Val Thr Gly Ser Val Ala Ser			
565	570	575	
ccc gtt ccg cat gta ggc gaa gcc atg gcc acg ggg gag gcc ctc tgg			2013
Pro Val Pro His Val Gly Glu Ala Met Ala Thr Gly Glu Ala Leu Trp			
580	585	590	595
gct ctc ccc cac gcg gcc gcc gtg gct atg agc cgt cgg tac gac			2061
Ala Leu Pro His Ala Ala Ala Val Ala Met Ser Arg Arg Tyr Asp			
600	605	610	
cgg gcc caa aaa cac ttt atc cta cag agt ctc cgc aga gcc ttt gcc			2109
Arg Ala Gln Lys His Phe Ile Leu Gln Ser Leu Arg Arg Ala Phe Ala			
615	620	625	
ggc atg gca tac ccc gag gca acg ggc tcc agt ccg gcg gcg cgg atc			2157
Gly Met Ala Tyr Pro Glu Ala Thr Gly Ser Ser Pro Ala Ala Arg Ile			
630	635	640	
tcc cgc ggt cac cct tct cca aca acc ccg gcc aca cag act ccc gac			2205
Ser Arg Gly His Pro Ser Pro Thr Thr Pro Ala Thr Gln Thr Pro Asp			
645	650	655	
cct cag ccg tcg gcc gcc gcg cgc tct ctt tct gtg tgt cca ccg gat			2253
Pro Gln Pro Ser Ala Ala Ala Arg Ser Leu Ser Val Cys Pro Pro Asp			
660	665	670	675
gat cgt tta cga act ccg cgc aag cgc aag tcc cag cca gtc gag agc			2301
Asp Arg Leu Arg Thr Pro Arg Lys Arg Lys Ser Gln Pro Val Glu Ser			
680	685	690	
aga agc ctc ctc gac aag att agg gag aca ccc gtc gcg gac gcc cgg			2349
Arg Ser Leu Leu Asp Lys Ile Arg Glu Thr Pro Val Ala Asp Ala Arg			

695	700	705	
gtt gca gac gat cat gtg gtt tcc aag gcc aag agg cgg gta tcc gag			2397
Val Ala Asp Asp His Val Val Ser Lys Ala Lys Arg Arg Val Ser Glu			
710	715	720	
ccc gtg acc atc acc tcg ggc cct gtg gtg gat ccc ccc gcc gta ata			2445
Pro Val Thr Ile Thr Ser Gly Pro Val Val Asp Pro Pro Ala Val Ile			
725	730	735	
acg atg cca ctt gac gga ccg gcc cca aac ggg gga ttt cgg cgt att			2493
Thr Met Pro Leu Asp Gly Pro Ala Pro Asn Gly Gly Phe Arg Arg Ile			
740	745	750	755
ccc cgg ggg gcc ctg cat acc ccg gtc ccg tcg gac cag gct cgc aag			2541
Pro Arg Gly Ala Leu His Thr Pro Val Pro Ser Asp Gln Ala Arg Lys			
760	765	770	
gcg tac tgt acc ccc gaa acc atc gcc cgt ctg gtc gac gac cca ttg			2589
Ala Tyr Cys Thr Pro Glu Thr Ile Ala Arg Leu Val Asp Asp Pro Leu			
775	780	785	
ttt ccc acg gcc tgg cgc cct gcg cta agc ttt gat ccc ggc gcc ttg			2637
Phe Pro Thr Ala Trp Arg Pro Ala Leu Ser Phe Asp Pro Gly Ala Leu			
790	795	800	
gcg gaa atc gcc gct cgg cgt ccg ggc gga gga gac cga cgg ttt ggt			2685
Ala Glu Ile Ala Ala Arg Arg Pro Gly Gly Asp Arg Arg Phe Gly			
805	810	815	
cca ccc agc gga gtg gag gcg ctg cga ccg agg tgc gcc tgg atg cgg			2733
Pro Pro Ser Gly Val Glu Ala Leu Arg Arg Arg Cys Ala Trp Met Arg			
820	825	830	835
cag atc cca gac ccg gag gat gtg agg ctt ctg atc atc tac gat ccg			2781
Gln Ile Pro Asp Pro Glu Asp Val Arg Leu Leu Ile Ile Tyr Asp Pro			
840	845	850	
ttg ccc gga gag gac atc aac ggc ccc ctc gag agc acc ctc gcg aca			2829
Leu Pro Gly Glu Asp Ile Asn Gly Pro Leu Glu Ser Thr Leu Ala Thr			
855	860	865	
gat ccg gga ccg tca tgg agt cca tcc cga ggg gga ctg tct gtg gtc			2877
Asp Pro Gly Pro Ser Trp Ser Pro Ser Arg Gly Gly Leu Ser Val Val			
870	875	880	
ctg gca gcc ctg agt aac ccg ttg tgc ctg ccg agc act cat gcc tgg			2925
Leu Ala Ala Leu Ser Asn Arg Leu Cys Leu Pro Ser Thr His Ala Trp			
885	890	895	
gcc ggg aac tgg acc ggc ccg ccg gac gtg tcc gct ttg aac gcc ccg			2973
Ala Gly Asn Trp Thr Gly Pro Pro Asp Val Ser Ala Leu Asn Ala Arg			
900	905	910	915
ggc gtt tta tta ctg tcg acc cga gac ctg gcc ttt gcc ggg gcc gtc			3021
Gly Val Leu Leu Leu Ser Thr Arg Asp Leu Ala Phe Ala Gly Ala Val			
920	925	930	

gag tat cta ggc tcg cgg ttg gcc tct gcc cgg cgc cgg ttg ctg gtg		3069	
Glu Tyr Leu Gly Ser Arg Leu Ala Ser Ala Arg Arg Arg Leu Leu Val			
935	940	945	
ttg gac gcg gtg gcc ctc gag agg tgg ccc ggg gat gga ccc gct ttg		3117	
Leu Asp Ala Val Ala Leu Glu Arg Trp Pro Gly Asp Gly Pro Ala Leu			
950	955	960	
tct cag tat cac gtg tac gtc cgg gcc ccc gcg cga ccc gac gcc cag		3165	
Ser Gln Tyr His Val Tyr Val Arg Ala Pro Ala Arg Pro Asp Ala Gln			
965	970	975	
gcc gtc gtc cga tgg cca gac tcg gcg gtc aca gaa gga ctc gcc cgg		3213	
Ala Val Val Arg Trp Pro Asp Ser Ala Val Thr Glu Gly Leu Ala Arg			
980	985	990	995
gcc gtg ttt gca tcg tcg cgc acc ttt ggg cca gcg agt ttt gct		3258	
Ala Val Phe Ala Ser Ser Arg Thr Phe Gly Pro Ala Ser Phe Ala			
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Arg Ile Glu Thr Ala Phe Ala Asn Leu Tyr Pro Gly Glu Gln Pro			
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Leu Cys Leu Cys Arg Gly Gly Asn Val Ala Tyr Thr Val Cys Thr			
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cgc gcg ggc ccc aag acc cgc gtc ccc ctg tcg ccc cgt gaa tac		3393	
Arg Ala Gly Pro Lys Thr Arg Val Pro Leu Ser Pro Arg Glu Tyr			
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cgg cag tac gtg ctg ccg ggt ttt gac ggt tgc aag gac ctc gcg		3438	
Arg Gln Tyr Val Leu Pro Gly Phe Asp Gly Cys Lys Asp Leu Ala			
1060	1065	1070	
cga cag tct cgg ggt ctg ggg ctc ggg gca gcc gac ttt gtg gac		3483	
Arg Gln Ser Arg Gly Leu Gly Leu Gly Ala Ala Asp Phe Val Asp			
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Glu Ala Ala His Ser His Arg Ala Ala Asn Arg Trp Gly Leu Gly			
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gcc gcg ctt cga ccc gtc ttc ctt ccc gag gga cgg aga ccg ggg		3573	
Ala Ala Leu Arg Pro Val Phe Leu Pro Glu Gly Arg Arg Pro Gly			
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Ala Ala Gly Pro Glu Ala Gly Asp Val Pro Thr Trp Ala Arg Val			
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Phe Cys Arg His Ala Leu Leu Glu Pro Asp Pro Ala Ala Glu Pro			
1135	1140	1145	

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Leu	Val	Leu	Pro	Pro	Val	Ala	Gly	Arg	Ser	Val	Ala	Leu	Tyr	Ala			
1150					1155					1160							
tcg	g	cg	g	ac	g	ag	g	ct	cc	cc	at	cc	ag	g	ta	3753	
Ser	Ala	Asp	Glu	Ala	Arg	Asn	Ala	Leu	Pro	Pro	Ile	Pro	Arg	Val			
1165					1170					1175							
atg	tgg	ccg	ccc	gg	ttt	ggg	gcc	g	cg	ac	gt	tg	g	ag	gg	3798	
Met	Trp	Pro	Pro	Gly	Phe	Gly	Ala	Ala	Glu	Thr	Val	Leu	Glu	Gly			
1180					1185					1190							
agc	gac	gga	aca	cg	ttc	g	cg	ttc	gga	cac	cac	gg	gg	tc	gaa	3843	
Ser	Asp	Gly	Thr	Arg	Phe	Ala	Phe	Gly	His	His	Gly	Gly	Ser	Glu			
1195					1200					1205							
cg	cg	gca	gaa	acc	cag	g	cg	gg	cg	cac	acc	gca	gac			3888	
Arg	Pro	Ala	Glu	Thr	Gln	Ala	Gly	Arg	Gln	Arg	Arg	Thr	Ala	Asp			
1210					1215					1220							
gac	aga	gaa	cac	g	tt	g	ag	cg	g	ac	tt	g	ag	gt	gg	tg	3933
Asp	Arg	Glu	His	Ala	Leu	Glu	Pro	Asp	Asp	Trp	Glu	Val	Gly	Cys			
1225					1230					1235							
gaa	gac	g	cg	tg	gac	ag	c	g	ag	gg	g	ac	g	gg	gac	3978	
Glu	Asp	Ala	Trp	Asp	Ser	Glu	Glu	Gly	Gly	Gly	Asp	Asp	Gly	Asp			
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gca	cc	gg	tca	tcc	ttt	gg	gt	g	ac	gt	gt	tg	gt	gg	cc	cg	4023
Ala	Pro	Gly	Ser	Ser	Phe	Gly	Val	Ser	Val	Val	Ser	Val	Al				